

(54) METHOD FOR FUSING PLASTIC PARTS

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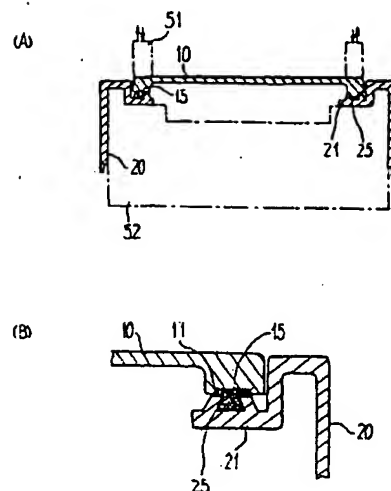
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**PURPOSE:** To fuse and bond plastic parts, especially, a low m.p. plastic part and a high m.p. plastic part with high bonding strength.

**CONSTITUTION:** In fusing the support plate part 21 of a high m.p. plastic part 20 and the bonding part of a low m.p. plastic part 10, an engaging part is provided to the support plate part 21 and a protrusion is provided to the bonding part 11 and ultrasonic vibration is applied to the support plate part 21 and the bonding part 11 in such a state that the protrusion is inserted in the engaging part to melt and fuse the protrusion to the engaging part to unify the bonding part 11 and the support plate part 21.



25: dovetail groove. 51: ultrasonic horn. 52: fig